

Abstract

A refrigerant circuit (40) is provided with two adsorption heat exchangers (56, 57) in addition to an outdoor heat exchanger (54) and an indoor heat exchanger (55). The indoor heat exchanger (55) and the two adsorption heat exchangers (56, 57) are disposed in an indoor unit (11), while the outdoor heat exchanger (54) is disposed in an outdoor unit (12). In the adsorption heat exchanger (56, 57) serving as an evaporator, moisture in the air is adsorbed by the adsorbent. In the adsorption heat exchanger (56, 57) serving as a condenser, moisture is desorbed from the adsorbent and then applied to the air. Then, the air dehumidified or humidified by the adsorption heat exchanger (56, 57) is supplied to a room to cope with latent heat load in the room. On the other hand, in the indoor heat exchanger (55), air is cooled or heated. Then, the air cooled or heated by the indoor heat exchanger (55) is supplied to the room to cope with sensible heat load in the room.